Index of Claims

Application/Control No.

10/628,597

Examiner

Nathaniel C. Chukwurah

Applicant(s)/Patent under Reexamination

HEZELTINE, ALTON W.

Art Unit

3721

| √ | Rejected |
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| = | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** 0 Objected

| Cla                    | aim      |              |          | Da   | te   |               |                 |       | Cla                    | im       |          |          |                         | Date     | •        |                    |   |          | С        | laim       |           |  |           | D                       | ate       |          | _   |                         |           |
|------------------------|----------|--------------|----------|--|--|---------------|-----------------|-------|------------------------|----------|----------|----------|-------------------------|----------|----------|--------------------|---|----------|----------|------------|-----------|--|-----------|-------------------------|-----------|----------|---|-------------------------|-----------|
| _                      | <u></u>  | ص            |          |  |  |               |                 |       | _                      | ন্ত      |          |          |                         |          |          |                    |   |          |          | च          |           |  |           |                         | T         | Т        | -1  |                         | 1         |
| Final                  | Original | 11/2/06      |          | 1 1  |  |               |                 |       | Final                  | Original |          |          |                         |          |          |                    |   |          | Final    | Original   |           |  | - 1       | -                       |           |          |   |                         |           |
| Į iū                   | 9        | 1            |          |  | 1 1  |               |                 |       | Œ                      | Ö        |          |          |                         |          |          |                    |   |          | ίĽ       | l E        |           |  | - 1       |                         | ۱.        |          |   | -                       |           |
| -                      |          | L.,          | - -      | $\vdash$   | 4-4  |               | $\vdash$        |       | <u> </u>               |          | $\sqcup$ | -        | -                       | +        | _        | +                  | -   | 4        | <u> </u> |            | -         | _  | 4         | _                       | 4         | _ _      | 4   | _                       | $\dashv$  |
| -                      | 1        | <u>~</u>     |          | $\vdash$   | +  |               | $\vdash$        |       | $\vdash$               | 51       | $\vdash$ | -        | _                       | ┿        |          | $\dashv$           | -   | - ::::   |          | 101        | $\square$ | 4  | 4         | _                       | +         | 4        | 4   | 4                       | 4         |
|                        | 2        | =            |          | $\vdash$   | +  |               | $\vdash$        |       |                        | 52       | $\vdash$ |          | -                       |          |          | _                  |   | -        | <u> </u> | 102        |           | -  | -         | _                       | 4         | _        | +   | $\perp$                 | 4         |
| <del> </del>           | 3        | 5            | $\vdash$ | $\vdash$   | +-+  | -             | $\vdash$        |       |                        | 53<br>54 | $\vdash$ | +        | +                       | +        | _        |                    | +   | -        | <u> </u> | 103        | Н         | +  | -         | -                       | +         | +        | +   | +                       | -         |
|                        | 5        | 7            | $\vdash$ | $\vdash$   | ┿  | <del></del>   | $\vdash$        |       | $\vdash$               | 55       | $\vdash$ | +        | +                       | ╆        |          | $\dashv$           | +   | -        | <u> </u> | 104<br>105 | -         | -+   | +         | +                       | +         | +        | +   | +                       | -         |
| $\vdash$               | 6        | ō            |          | ┼  | ++   | +             |                 |       |                        | 56       | $\vdash$ | +        | +                       | ╁        |          | -                  | +   | -        | $\vdash$ | 105        | Н         | $\dashv$   | $\dashv$  |                         | +         | +        | +   | ┿                       | $\dashv$  |
| <del> </del>           | 7        | ř            | +        | <del>                                     </del> | ++   | $\dashv$      | Н               |       | $\vdash$               | 57       | $\vdash$ | +        |                         | ╁        | $\dashv$ |                    | ╁   | ┧        | $\vdash$ | 107        | H         | $\dashv$   | +         | -+                      | +         | -+       | +   | +                       | $\dashv$  |
|                        | 8        | H            |          | <del>                                     </del> | +  | $\dashv$      | Н               |       |                        | 58       | $\vdash$ | +        | ╅                       | +        |          | $\dashv$           | +   | -        | $\vdash$ | 108        | ╌┤        | -  | $\dashv$  |                         | +         | $\dashv$ | ╁   | +                       | $\dashv$  |
|                        | 9        | b            | $\vdash$ | $\vdash$   | 1-1  | $\dashv$      | Н               |       |                        | 59       | $\vdash$ | _        | ╁                       | +        | $\dashv$ | +                  | ╅   | 1        | $\vdash$ | 109        | -         | $\dashv$   | +         | +                       | ╅         | ╅        | +   | $\dashv$                | $\dashv$  |
| <b> </b>               | 10       | $\checkmark$ |          | $\vdash$   | + 1  |               | Н               |       | $\vdash$               | 60       |          | $\top$   | $\top$                  | 1        |          | $\dashv$           | +   | 1        | _        | 110        | H         | $\dashv$   | 十         | ╅                       | ╅         | $\dashv$ | +   | +                       | $\dashv$  |
|                        | 11       | 0            |          | $\vdash \vdash$                                  | 11   | $\neg \vdash$ | П               |       | -                      | 61       | $\Box$   | $\top$   | $\top$                  | +-       | $\dashv$ | $\top$             | $\top$  | 1        |          | 111        | $\vdash$  | $\dashv$   | +         | $\dashv$                | +         | $\dashv$ | +   | +                       | $\dashv$  |
|                        | 12       | V            |          |  | 11   | _             |                 |       |                        | 62       | $\Box$   | $\top$   | ┪                       | $\top$   | $\dashv$ | $\dashv$           | +   | 1        |          | 112        | H         | $\neg \dagger$   | $\dagger$ | $\dashv$                | $\dagger$ | $\dashv$ | 十   | +                       | $\dashv$  |
|                        | 13       | 4            |          |  | $\top$   |               | П               |       | П                      | 63       | 一        | $\neg$   | $\top$                  | $\top$   | $\neg$   | $\dashv$           | 1   | 1        |          | 113        | П         | $\top$   | $\dashv$  | $\top$                  | $\top$    | 十        | +   | $\top$                  | ┪         |
|                        | 14       |              |          |  |  |               |                 |       |                        | 64       |          |          |                         |          |          | 寸                  | $\top$  | 1        |          | 114        | $\Box$    | $\dashv$   | $\dashv$  | +                       | $\top$    | +        | +   | $\top$                  | ヿ         |
|                        | 15       |              |          |  |  |               |                 |       |                        | 65       |          |          |                         |          |          | $\Box$             | $\Box$  | ]        |          | 115        |           | 寸  | 丁         | 1                       | $\top$    |          | 十   | T                       | $\exists$ |
|                        | 16       | V            |          |  | $\Box$   |               |                 |       |                        | 66       |          |          | $oldsymbol{\mathbb{T}}$ |          |          | I                  | $\perp$   | ]        |          | 116        |           |  |           |                         | _         |          |   |                         |           |
|                        | 17       | 0            |          |  | $\perp \perp$                                    |               |                 |       |                        | 67       |          |          | $\perp$                 |          |          |                    | $\perp$   |          |          | 117        |           |  | $\prod$   | $\Box$                  | Ι         |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                         |           |
|                        | 18       | $\coprod$    |          |  |  |               | Ш               |       |                        | 68       |          |          | $\perp$                 |          |          |                    |   |          |          | 118        |           |  |           |                         |           |          | $\Box$  |                         | ٦         |
| <u></u>                | 19       |              |          |  | $\perp$ 1  |               |                 |       |                        | 69       |          | $\perp$  |                         |          |          |                    |   |          |          | 119        |           |  |           |                         |           |          |   |                         | ]         |
| <u> </u>               |          | O,           |          | Ш.   | $\bot \bot$                                      |               | Ш               |       |                        | 70       |          |          | 1                       |          | $\perp$  | _ _                |   | _        |          | 120        |           |  |           |                         |           | $\Box$   | $\perp$   | $\perp$                 | ┚         |
|                        | 21       | Ž            |          | $\vdash$   | $\perp$  |               | Ш               |       |                        | 71       |          |          | ┵                       |          | _        |                    | _   | _        | <u></u>  | 121        | Ш         |  | $\perp$   |                         | $\perp$   |          | $\perp$   |                         | ╝         |
|                        | 22       | 0            |          |  | $\bot$   | _             | Ш               |       | <u> </u>               | 72       | $\Box$   | 4-       | 4                       |          |          | _                  |   | _        |          | 122        | Ш         | $\perp$  | _         | $\perp$                 | _         | $\bot$   | 4   | $\perp$                 | ╝         |
| <u> </u>               | 23       | <b>√</b>     |          | $\vdash$   | +  | *             | Н               |       | $\sqcup$               | 73       | $\perp$  |          | +                       | -        | _        | -                  | _   | 4        |          | 123        |           | _  | 4         | $\perp$                 | _         | _        | 4   | ┵                       | 4         |
|                        | 24       | -            |          | $\vdash$   | +  |               | Н               |       |                        | 74       | -        |          | +-                      | -        | 4        | -                  | +   | 4        | ļ        | 124        | Н         | 4  | $\dashv$  |                         | +         | 4        | 4   | - -                     | 4         |
|                        | 25       | 9            |          | $\vdash$   | +  |               | -               |       |                        | 75<br>70 | -        | -        | +                       | -        | -        | -                  | -   | -        |          | 125        | Н         | -  | 4         |                         | +         | 4        | 4-  | 4                       | 4         |
| -                      | 26<br>27 | 4            | +        | $\vdash$   | ╁╌╁  |               | H               |       |                        | 76<br>77 | -        | -        |                         | +-       | $\dashv$ | -                  |   | 4        |          | 126<br>127 | -         | -  | $\dashv$  | -                       | +         | -        |   | -                       | 4         |
|                        | 28       | Н            | _        | $\vdash$   | +  |               | Н               |       |                        | 78       | -+       | +        | ╁                       | +-       | $\dashv$ |                    | +   | -        |          | 128        | Н         | +  | +         | +                       | +         |          | +   | +                       | ┨         |
| -                      | 29       | H            |          | $\vdash$   | 1  |               | Н               |       | $\vdash$               | 79       | $\dashv$ |          | +                       | +        | $\dashv$ | +                  | +   | -        | -        | 129        | $\vdash$  |  | ╅         | +                       | +         | +        |   | ┽                       | $\dashv$  |
|                        | 30       | 0            |          | $\vdash$   | +  |               | Н               |       | $\vdash$               | 80       | -        | $\dashv$ | +                       | ╁        | _        | +                  | +   | 1        |          | 130        | $\vdash$  | +  | +         | +                       | +         | +        | ╬   | +                       | $\dashv$  |
|                        | 31       | Н            |          |  | + +  | -             | $\vdash \vdash$ |       | $\vdash \vdash \vdash$ | 81       | $\dashv$ | +        | _                       | +        | $\dashv$ | $\dashv$           | +   | 1        |          | 131        | $\vdash$  | +  | +         | +                       | +         | ╁        | +   | +                       | $\dashv$  |
|                        | 32       |              |          | $\vdash$   | 1 1  | 1.            | $\vdash$        |       | $\vdash$               | 82       | $\dashv$ |          | +                       | Н        | 十        | 十                  | $\top$  | 1        |          | 132        | $\dashv$  | $\dashv$   | +         | $\dashv$                | +         | +        | +   | +                       | $\dashv$  |
|                        | 33       |              |          |  | $\Box$   |               | П               |       |                        | 83       |          | $\top$   | 1                       | П        | $\neg$   | $\dashv$           | 1   | 1        |          | 133        | $\Box$    | +  | +         | $\neg$                  | +         | $\dashv$ | $\top$  | +                       | $\dashv$  |
|                        | 34       |              |          |  |  |               | П               |       |                        | 84       |          | $\top$   | 丅                       | П        | $\neg$   | T                  | $\top$  | 1        |          | 134        | $\Box$    | _  | $\forall$ | $\top$                  | $\top$    | $\top$   | $\top$  | $\top$                  | 7         |
|                        | 35       |              |          |  |  |               |                 |       |                        | 85       |          |          |                         | $\Box$   |          | 1                  |   | ]        |          | 135        | H         | 十  | 7         | $\dashv$                | $\dagger$ | _        | $\top$  | ╅                       | 7         |
|                        | 36       |              |          |  |  |               |                 |       |                        | 86       |          |          |                         |          |          |                    |   | ]        |          | 136        |           |  | $\forall$ | $\top$                  | $\top$    | $\top$   | 十   | $\neg$                  | ٦         |
|                        | 37       |              |          | $\Box\Box$                                       |  |               |                 |       |                        | 87       | $\Box$   |          |                         |          |          |                    | $oldsymbol{ol}}}}}}}}}}}}}} $ | ]        |          | 137        |           |  |           | floor                   | J         |          | ▔   | $\top$                  | 7         |
| $oxed{oxed}$           | 38       | Ш            |          |  | $\bot$   |               | Ш               |       |                        | 88       |          | $\Box$   | Ţ                       |          | $\Box$   | $oldsymbol{\perp}$ | 工   | ╽Ш       |          | 138        |           |  | $\Box$    | $oldsymbol{\mathbb{I}}$ | T         | $\perp$  | I   |                         |           |
|                        | 39       |              |          | $\sqcup \bot$                                    | $\sqcup$   |               | Ш               |       |                        | 89       |          |          | $\perp$                 | Ш        | _[       |                    |   | J:       |          | 139        |           |  | I         |                         | I         |          |   | $oldsymbol{\mathbb{T}}$ |           |
|                        | 40       |              | $\bot$   | $oxed{oxed}$                                     | $\sqcup$   |               | Ш               |       | <u> </u>               | 90       | $\perp$  | $\perp$  | $\perp$                 | $\sqcup$ | $\dashv$ | $\perp$            | _   | <b>.</b> | <u> </u> | 140        |           | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | $\perp$   |                         | $\int$    |          | $\Box$  |                         |           |
| <u> </u>               | 41       | <b></b>      | -        | $\vdash \vdash$                                  | $\sqcup$   | _             | Ш               |       |                        | 91       | $\dashv$ | _        | 4                       | Ш        | _        | _                  | $\perp$   | 4        |          | 141        |           | $\perp$  | $\perp$   |                         | $\perp$   |          | 1   | $\perp$                 |           |
|                        | 42       | $\sqcup$     |          | $\vdash \vdash$                                  | <del>                                     </del> |               | Щ               |       | $\sqcup \downarrow$    | 92       | $\dashv$ | _        | $\bot$                  | $\sqcup$ | _        | $\bot$             | 4   | 4        | L        | 142        |           | $\perp$  | _         | $\perp$                 | 1         | _        | 丄   |                         | _         |
|                        | 43       | $\vdash$     | -        | $\vdash \vdash$                                  | +  |               | Щ               |       |                        | 93       | $\dashv$ | 4        | +                       | +-1      | 4        | 4                  | 4   | 4        | <u> </u> | 143        | $ \bot $  | 4  | $\bot$    | $\bot$                  | $\perp$   | _ _      | $\bot$  | 4                       | _         |
| $\vdash \vdash \vdash$ | 44<br>45 |              | $\dashv$ |  | +-+  |               | Н               |       |                        | 94       | $\dashv$ | +        | ╀                       | +        | $\dashv$ | -                  | +-  | -        | L        | 144        | _         | +  | +         | _                       | $\perp$   | 4        | $\bot$  | 4                       | 4         |
| $\vdash$               | 46       |              | $\dashv$ | $\vdash \vdash$                                  | +-+  | $\dashv$      | $\vdash$        |       | -                      | 95       | $\dashv$ | +        | +-                      | +        | +        | +                  | +-  | -        | ļ        | 145        |           | 4  | 4         | -                       | +         | 4        | +   | 4-                      | 4         |
|                        | 47       |              |          | $\vdash\vdash$                                   | ++   |               | H               |       |                        | 96<br>97 | +        | - -      | +-                      | +        | $\dashv$ | +                  | ļ.  | -        |          | 146        | $\dashv$  | +  | +         | +                       | +         | +        | +   | +                       | ┨.        |
| $\vdash\vdash\vdash$   | 48       | $\vdash$     | -        | $\vdash\vdash$                                   | ++   | $\dashv$      | $\dashv$        |       |                        | 98       | $\dashv$ | -        | +                       | +        | $\dashv$ | +                  | -   | -        |          | 147        |           | +  | +         | +                       | 4         | +        | +   | +                       | 4         |
| $\vdash\vdash\vdash$   | 49       |              |          | -  | +-+  | $\dashv$      | $\vdash$        |       |                        | 99       | +        | +        | ╁                       | + +      | $\dashv$ | +                  | +   | -        |          | 148<br>149 | $\dashv$  | +  | +         |                         | +         | -        | +   | +                       | 4         |
| $\vdash$               | 50       | -            | +-       | - -  | +-+  | $\dashv$      | $\dashv$        |       | <del></del>            | 100      | $\dashv$ | +        | +                       | ╁┼┤      | $\dashv$ | +                  | +-  | 1        |          |            | -+        | +  | +         | +                       | +         |          | +   | +                       | $\dashv$  |
|                        |          |              |          |  | 1_1  |               | البا            | ····[ |                        | 100      |          |          |                         | 11       | L        |                    |   | J:::::   |          | 150        |           | L_   |           |                         | 丄         |          | 丄   | $\perp$                 | ╝         |